

Form 1449* INFORMATION DISCLOSURE STATEMENT IN AN APPLICATION	Docket Number: G&C 122.3-US-U1	Application Number: 09/879,821
	Applicant: Gregory A. Fish et al.	
	Filing Date: June 11, 2001	Group Art Unit: 2812

U.S. PATENT DOCUMENTS						
EXAMINER INITIAL	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MCL	4,896,325	01/23/90	Coldren			
MCL	5,088,097	02/11/92	Ono et al.			
MCL	5,790,581	08/04/98	Nitta			
MCL	5,841,799	11/24/98	Hiroki			

FOREIGN PATENTS							
	DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
MCL		I.A. Avrutsky et al., "Design of Widely Tunable Semiconductor Lasers and the Concept of Binary Superimposed Gratings (BSG's)," IEEE Journal of Quantum Elec., April 1998, 34(4): 729-741
MCL		L.A. Coldren et al., "Photonic Integrated Circuits," Diode Lasers and Photonic Integrated Circuits, John Wiley & Sons, 1995, ch. 8: 342-391
MCL		L.A. Coldren et al., "Properties of Widely-Tunable Integrated WDM Sources and Receivers," 1997 Annual Meeting (LEOS), San Francisco, CA, USA, Nov. 1997, Paper No. TuY1, 331-332 [62-63]
MCL		L.A. Coldren et al., "Tunable Lasers for Photonic Integrated Circuits," IEEE Summer Topical on Integrated Optoelectronics, Lake Tahoe, NV, USA, July 1994, Paper No. W4.1, 88-89
MCL		L.A. Coldren, "Widely-Tunable and Vertical-Cavity Lasers: DBR's on Different Planes," Integrated Photonics Research, San Francisco, CA, USA, Feb. 1994, Paper No. ThA3-1, 75-76
MCL		G. Fish et al., "Compact, 4 X 4 InGaAsP-InP Optical Crossconnect with a Scaleable Architecture," IEEE Photonics Tech. Lett., Sept. 1998, 10(9): 42-44
MCL		G. Fish et al., "Improved Compositional Uniformity of InGaAsP Grown by MOCVD Through Modification of the Susceptor Temperature Profile," Journal of Crystal Growth, 1997, 32-38
MCL		G. Fish et al., "InGaAsP/InP Scaleable, Photonic Crossconnects Using Optically Amplified Suppressed Modal Interference Switch Arrays," Integrated Photonics Research '98, Victoria, Canada, March 1998, Paper No. ITuE4, 243-245 [39-41]

EXAMINER: <i>Matthew C. Jember</i>	DATE CONSIDERED: <i>9/18/02</i>
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MCL	G. Fish et al., "InGaAsP/InP Suppressed Modal Interference Switches with Integrated Curved Amplifiers for Scaleable Photonic Crossconnects," Optical Fiber Conference '98, San Jose, CA, USA, Feb. 1998, Paper No. TuH4, 1pp
MCL	G. Fish et al., "Suppressed Modal Interference Switches with Integrated Curved Amplifiers for Scaleable Photonic Crossconnects," IEEE Photonics Tech. Lett., Feb. 1998, 10(2):28-30
MCL	M.E. Heimbuch et al., "Tertiarybutylarsine and Tertiarybutylphosphine for the MOCVD Growth of Low Threshold 1.55 μm In _x Ga _{1-x} As/InP Quantum-Well Lasers," Journal of Elec. Materials, 1994, 23(2): 77-81
MCL	H. Ishii et al., "Broad-range Wavelength Coverage (62.4nm) with Superstructure-Grating DBR Laser," Elec. Lett., Feb. 29, 1996, 32(5): 454-455
MCL	H. Ishii et al., "Quasicontinuous Wavelength Tuning in Super-Structure-Grating (SSG) DBR Lasers," IEEE Journal of Quantum Elec., March 1996, 32(3): 433-441
MCL	Y-H. Jan et al., "Widely Tunable Integrated Filter/Receiver with Apodized Grating-Assisted Codirectional Coupler (INVITED)," SPIE Photonics West '98, San Jose, CA, USA, Jan. 1998, Paper No. 3290-232: 24-27
MCL	V. Jayaraman et al., "Continuous-Wave Operation of Sampled Grating Tunable Lasers with 10 mwatt Output Power, >60 nm Tuning, and Monotonic Tuning Characteristics," Indium Phosphide Conference, Santa Barbara, CA, USA, March 1994, 33-36 [82-85]
MCL	V. Jayaraman et al., "Demonstration of Broadband Tunability in a Semiconductor Laser Using Sampled Gratings," Appl. Phys. Lett., May 1992, 60(19): 110-112
MCL	V. Jayaraman et al., "Extended Tuning Range in Sampled Grating DBR Lasers," IEEE Photonics Tech. Lett., May 1993, 5(5): 103-105
MCL	V. Jayaraman et al., "Extended Tuning Range Semiconductor Lasers with Sampled Gratings," LEOS '91, San Jose, CA, USA, Nov. 1991, Paper No. SDL15.5: 82 [113]
MCL	V. Jayaraman et al., "Theory, Design, and Performance of Extended Tuning Range Semiconductor Lasers with Sampled Gratings," IEEE Journal of Quantum Elec., June 1993, 29(6): 92-102
MCL	V. Jayaraman et al., "Very Wide Tuning Range in a Sampled Grating DBR Laser," Int. Semiconductor Laser Conference, Takamatsu, Japan, Sept. 1992, 108-109
MCL	V. Jayaraman, et al., "Wide Tunability and Large Mode-Suppression in a Multi-Section Semiconductor Laser Using Sampled Gratings," Integrated Photonics Research '92, New Orleans, LA, USA, April 1992, Paper No. WF1, 306-307 [106-107]
MCL	V. Jayaraman et al., "Widely Tunable Continuous-Wave InGaAsP/InP Sampled Grating Lasers," Elec. Lett., Sept. 1994, 30(18): 90-91
MCL	S-L. Lee et al., "Direct Modulation of Widely Tunable Sampled Grating DBR Lasers," SPIE, 1996, 2690(223): 223-230 [64-71]
MCL	S-L. Lee et al., "Dynamic Responses of Widely Tunable Sampled Grating DBR Lasers," Photonics Tech. Lett., Dec. 1996, 8(12): 72-74
MCL	S-L. Lee et al., "Field-Induced Guide/Antiguide Modulators on InGaAsP/InP," Elec. Lett., June 9, 1994, 30(12): 954-955 [86-87]
MCL	S-L. Lee et al., "Integration of Semiconductor Laser Amplifiers with Sampled Grating Tunable Lasers for WDM Applications," IEEE Journal of Selected Topics in Quantum Elec., April 1997, 3(2): 49-61
MCL	B. Mason et al., "Design of Sampled Grating DBR Lasers with Integrated Semiconductor Optical Amplifiers," IEEE Photonics Tech. Lett., July 2000, 12(7): 1-3
MCL	B. Mason et al., "Directly Modulated Sampled Grating DBR Lasers for Long-Haul WDM Communication Systems," IEEE Photonics Tech. Lett., 9(3): 46-48
MCL	B. Mason et al., "Monolithic Integration of a Widely Tunable Laser and an Electro-Absorption Modulator," Integrated Photonics Research '99, Santa Barbara, CA, USA, July 1999, Paper No. RME2, 53-55 [7-9]

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MCL		B. Mason et al., "Ridge Waveguide Sampled Grating DBR Lasers with 22-nm Quasi-Continuous Tuning Range," IEEE Photonics Technology Letters, Sept. 1998, 10(9): 19-21
MCL		B. Mason et al., "Sampled Grating DBR Lasers with 22nm Quasi-Continuous Tuning and Monolithically Integrated Wavelength Monitors," Int'l. Semiconductor Laser Conf. '98, Nara, Japan, Oct. 1998, Paper No. ThC4, 22-23
MCL		B. Mason et al., "Sampled Grating DBR Lasers with Integrated Wavelength Monitoring," Integrated Photonics Research '98, Victoria, Canada, March 1998, Paper No. IMD5, 52-54 [13-15]
MCL		B. Mason et al., "Tunable Sampled-Grating DBR Lasers with Integrated Wavelength Monitors," IEEE Photonics Tech. Lett., Aug. 1998, 10(8): 16-18
MCL		B. Mason et al., "Widely Tunable Lasers for Wavelength-Division Multiplexed Communications," Optical Fiber Communication '97, Dallas, TX, USA, Feb. 1997, 45
MCL		B. Mason et al., "Widely Tunable Sampled Grating DBR Laser with Integrated Electroabsorption Modulator," IEEE Photonics Tech. Lett., June 1999, 11(6): 4-6
MCL		D.M. Tennant et al., "Multiwavelength Distributed Bragg Reflector Laser...Grating Mask," J. Vac. Sci. Technol. B, Nov/Dec 1993, 11(6): 2509-2513

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